Title of the Talk: Modelling Power System Restoration
Speaker's name: Feng Qiu (From Argonne)

Background Information: Argonne is managed by University of Chicago. Basically, its industries include resource, supply generation, transmission, distribution.

Successful Cases:

1. MISO GAS/ELECTRIC ISSUE

developed NERC-certified training course for MISO system operator on natural gas and electric coordination.

Trained over 600 MISO grid operators electrics/gas interdependencies as part of 2015 and October 2016.

geared toward creating a greater awareness of electric-gas emergency scenarios and vulnerabilities in MISO and NERC footprint.

Similar training will be prepared for other RCS in 2017.

2. Support FEMA Regional Power Outage Exercises

enable resilience stakeholders to consider restoration/recovery aspects for more effective emergency preparedness exercises.

EPfast for impact//outage analysis, EGRIP to find optimal restoration plan that minimizes the overall power system restoration time.

DHS/FEMA Region 5: Grid impacts and response/recovery/restoration from large-scale cyber attack.